GenCore version 5.1.6							
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OM nucleic - nucleic search, using sw model							
Run on:		January 7, 2004, 01:47:37 ; Search time 91.6212 Seconds					
		(without alignments)					
		6527.684 Million cell updates/sec					
Title:	**US-09-904-568-3**						
Perfect score: 1355							
Sequence:		1 gggcaggcagttgaggtgga.........gtgtttcaggcagggcccgg 1355					
Scoring table: IDENTITY_NUC							
	Gapop 10.0 , Gapext 1.0						
Searched:		569978 seqs, 220691566 residues					
Total number of hits satisfying chosen parameters:				718022			
Minimum DB seq length: 12							
Maximum DB seq length: 50							
Post-processing: Minimum Match 0%							
	Maximum Match 100%						
	Listing first 65000 summaries						
Database :	**Issued_Patents_NA:***						
	1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*						
	2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*						
	3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*						
	4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*						
	5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*						
	6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*						
Pred. No. is the number of results predicted by chance to have a							
score greater than or equal to the score of the result being printed,							
and is derived by analysis of the total score distribution.							

		SUMMARIES					
		%					
Result		Query					
No.	Score	Match	Length	DB	ID		S/L
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3	22	1.6	22	4	US-09-302	1	
2674	15	1.1	15	4	US-09-081	1	
c46434	12	0.9	12	1	US-08-214	1	
c46435	12	0.9	13	1	US-08-242	0.923077	
c46436	12	0.9	13	1	US-08-484	0.923077	
c46437	12	0.9	13	5	PCT-US95	0.923077	
601	16.4	1.2	18	3	US-09-244	0.911111	
602	16.4	1.2	18	3	US-09-007	0.911111	
603	16.4	1.2	18	3	US-09-247	0.911111	
604	16.4	1.2	18	3	US-09-244	0.911111	
605	16.4	1.2	18	4	US-09-238	0.911111	
12655	13.4	1	15	3	US-08-832	0.893333	
32304	12.4	0.9	14	3	US-08-832	0.885714	
32305	12.4	0.9	14	3	US-08-985	0.885714	

32306	12.4	0.9	14	3	US-08-724	0.885714	
32307	12.4	0.9	14	4	US-08-882	0.885714	
18766	13	1	15	1	US-08-291	0.866667	
46438	12	0.9	14	1	US-08-146	0.857143	
c46439	12	0.9	14	1	US-08-683	0.857143	
46440	12	0.9	14	1	US-08-674	0.857143	
46441	12	0.9	14	2	US-08-846	0.857143	
c 162	17.8	1.3	21	4	US-09-667	0.847619	
c4670	14.4	1.1	17	4	US-09-359	0.847059	
c26775	12.6	0.9	15	4	US-08-882	0.84	
c32308	12.4	0.9	15	1	US-08-319	0.826667	
c32309	12.4	0.9	15	2	US-08-863	0.826667	
32310	12.4	0.9	15	3	US-08-832	0.826667	
32311	12.4	0.9	15	3	US-08-832	0.826667	
32312	12.4	0.9	15	3	US-08-832	0.826667	
32313	12.4	0.9	15	4	US-08-275	0.826667	
c3211	14.8	1.1	18	2	US-08-585	0.822222	
c3212	14.8	1.1	18	3	US-09-038	0.822222	
c8266	13.8	1	17	1	US-08-531	0.811765	
8267	13.8	1	17	1	US-08-373	0.811765	
c8268	13.8	1	17	1	US-08-531	0.811765	
c8269	13.8	1	17	1	US-08-781	0.811765	
8270	13.8	1	17	1	US-08-435	0.811765	
c8271	13.8	1	17	3	US-08-985	0.811765	
c8272	13.8	1	17	3	US-08-985	0.811765	
c8273	13.8	1	17	3	US-08-964	0.811765	
8274	13.8	1	17	4	US-09-474	0.811765	
387	16.8	1.2	21	1	US-08-052	0.8	
388	16.8	1.2	21	1	US-08-684	0.8	
c4671	14.4	1.1	18	3	US-09-178	0.8	
c4672	14.4	1.1	18	3	US-09-177	0.8	
22324	12.8	0.9	16	4	US-09-364	0.8	
22325	12.8	0.9	16	4	US-09-371	0.8	
46442	12	0.9	15	1	US-08-365	0.8	
c46443	12	0.9	15	1	US-08-208	0.8	
c46444	12	0.9	15	1	US-08-704	0.8	
c46445	12	0.9	15	1	US-08-469	0.8	
c46446	12	0.9	15	2	US-08-290	0.8	
46447	12	0.9	15	3	US-08-606	0.8	
46448	12	0.9	15	3	US-09-115	0.8	
c46449	12	0.9	15	3	US-09-177	0.8	
46450	12	0.9	15	3	US-09-616	0.8	
46451	12	0.9	15	3	US-08-812	0.8	
c46452	12	0.9	15	3	US-08-812	0.8	
46453	12	0.9	15	4	US-08-784	0.8	
c46454	12	0.9	15	4	US-08-784	0.8	
46455	12	0.9	15	4	US-09-409	0.8	
c46456	12	0.9	15	4	US-09-409	0.8	
1172	15.8	1.2	20	3	US-09-136	0.79	
c1173	15.8	1.2	20	4	US-09-556	0.79	
c1174	15.8	1.2	20	4	US-09-702	0.79	
1175	15.8	1.2	20	4	US-09-322	0.79	
12656	13.4	1	17	3	US-08-445	0.788235	
12657	13.4	1	17	4	US-09-996	0.788235	
12658	13.4	1	17	4	US-09-371	0.788235	
55096	11.8	0.9	15	1	US-08-041	0.786667	
55097	11.8	0.9	15	1	US-08-127	0.786667	
55098	11.8	0.9	15	1	US-08-337	0.786667	
55099	11.8	0.9	15	1	US-08-276	0.786667	
55100	11.8	0.9	15	1	US-08-182	0.786667	

c55101	11.8	0.9	15	1	US-08-291	0.786667	
c55102	11.8	0.9	15	1	US-08-291	0.786667	
55103	11.8	0.9	15	1	US-08-334	0.786667	
55104	11.8	0.9	15	1	US-08-334	0.786667	
55105	11.8	0.9	15	1	US-08-334	0.786667	
55106	11.8	0.9	15	1	US-08-363	0.786667	
c55107	11.8	0.9	15	1	US-08-363	0.786667	
c55108	11.8	0.9	15	1	US-08-363	0.786667	
55109	11.8	0.9	15	1	US-08-781	0.786667	
c55110	11.8	0.9	15	1	US-08-471	0.786667	
55111	11.8	0.9	15	2	US-08-292	0.786667	
c55112	11.8	0.9	15	2	US-08-292	0.786667	
c55113	11.8	0.9	15	2	US-08-292	0.786667	
c55114	11.8	0.9	15	2	US-08-292	0.786667	
c55115	11.8	0.9	15	2	US-08-471	0.786667	
c55116	11.8	0.9	15	2	US-08-463	0.786667	
c55117	11.8	0.9	15	2	US-08-173	0.786667	
55118	11.8	0.9	15	2	US-08-173	0.786667	
c55119	11.8	0.9	15	2	US-08-471	0.786667	
55120	11.8	0.9	15	2	US-08-774	0.786667	
c55121	11.8	0.9	15	2	US-08-470	0.786667	
c55122	11.8	0.9	15	2	US-08-585	0.786667	
c55123	11.8	0.9	15	2	US-08-585	0.786667	
c55124	11.8	0.9	15	2	US-08-585	0.786667	
55125	11.8	0.9	15	2	US-08-585	0.786667	
55126	11.8	0.9	15	2	US-08-585	0.786667	
c55127	11.8	0.9	15	2	US-08-854	0.786667	
c55128	11.8	0.9	15	2	US-08-485	0.786667	
c55129	11.8	0.9	15	2	US-08-469	0.786667	
55130	11.8	0.9	15	3	US-08-343	0.786667	
55131	11.8	0.9	15	3	US-08-832	0.786667	
55132	11.8	0.9	15	3	US-08-832	0.786667	
55133	11.8	0.9	15	3	US-08-832	0.786667	
55134	11.8	0.9	15	3	US-08-832	0.786667	
55135	11.8	0.9	15	3	US-08-832	0.786667	
55136	11.8	0.9	15	3	US-08-832	0.786667	
55137	11.8	0.9	15	3	US-08-832	0.786667	
c55138	11.8	0.9	15	3	US-09-300	0.786667	
55139	11.8	0.9	15	3	US-09-064	0.786667	
55140	11.8	0.9	15	3	US-09-071	0.786667	
c55141	11.8	0.9	15	3	US-09-071	0.786667	
c55142	11.8	0.9	15	3	US-09-071	0.786667	
c55143	11.8	0.9	15	3	US-09-071	0.786667	
c55144	11.8	0.9	15	3	US-09-038	0.786667	
c55145	11.8	0.9	15	3	US-09-038	0.786667	
c55146	11.8	0.9	15	3	US-09-038	0.786667	
55147	11.8	0.9	15	3	US-09-038	0.786667	
55148	11.8	0.9	15	3	US-09-038	0.786667	
55149	11.8	0.9	15	3	US-09-275	0.786667	
c55150	11.8	0.9	15	3	US-09-344	0.786667	
c55151	11.8	0.9	15	4	US-09-081	0.786667	
c55152	11.8	0.9	15	4	US-09-081	0.786667	
c55153	11.8	0.9	15	4	US-09-011	0.786667	
c55154	11.8	0.9	15	5	PCT-US94	0.786667	
55155	11.8	0.9	15	6	5182195-2	0.786667	
3213	14.8	1.1	19	1	US-08-630	0.778947	
3214	14.8	1.1	19	1	US-08-714	0.778947	
3215	14.8	1.1	19	3	US-09-032	0.778947	
32314	12.4	0.9	16	1	US-08-087	0.775	
c32315	12.4	0.9	16	1	US-08-061	0.775	

c32316	12.4	0.9	16	1	US-08-131	0.775	
32317	12.4	0.9	16	1	US-08-455	0.775	
c32318	12.4	0.9	16	1	US-08-284	0.775	
32319	12.4	0.9	16	1	US-08-461	0.775	
32320	12.4	0.9	16	1	US-08-713	0.775	
32321	12.4	0.9	16	2	US-08-689	0.775	
c32322	12.4	0.9	16	2	US-08-668	0.775	
32323	12.4	0.9	16	3	US-09-070	0.775	
c32324	12.4	0.9	16	6	5256545-4	0.775	
32325	12.4	0.9	16	6	5256545-3	0.775	
c 771	16.2	1.2	21	4	US-09-302	0.771429	
c1728	15.4	1.1	20	4	US-09-422	0.77	
c8275	13.8	1	18	2	US-08-585	0.766667	
c8276	13.8	1	18	2	US-08-702	0.766667	
c8277	13.8	1	18	3	US-08-702	0.766667	
c8278	13.8	1	18	3	US-09-038	0.766667	
c8279	13.8	1	18	3	US-09-325	0.766667	
c8280	13.8	1	18	3	US-09-630	0.766667	
8281	13.8	1	18	4	US-08-679	0.766667	
8282	13.8	1	18	4	US-08-535	0.766667	
8283	13.8	1	18	4	US-09-091	0.766667	
8284	13.8	1	18	4	US-09-422	0.766667	
18767	13	1	17	1	US-08-152	0.764706	
18768	13	1	17	1	US-08-250	0.764706	
18769	13	1	17	1	US-08-579	0.764706	
18770	13	1	17	1	US-07-695	0.764706	
c18771	13	1	17	3	US-08-985	0.764706	
18772	13	1	17	4	US-09-106	0.764706	
18773	13	1	17	5	PCT-US94	0.764706	
c2162	15.2	1.1	20	1	US-07-977	0.76	
c2163	15.2	1.1	20	1	US-08-410	0.76	
c2164	15.2	1.1	20	2	US-08-256	0.76	
2165	15.2	1.1	20	4	US-09-661	0.76	
2166	15.2	1.1	20	4	US-09-470	0.76	
2167	15.2	1.1	20	4	US-09-470	0.76	
2168	15.2	1.1	20	4	US-09-659	0.76	
c2169	15.2	1.1	20	4	US-09-198	0.76	
c2170	15.2	1.1	20	4	US-09-198	0.76	
22326	12.8	0.9	17	1	US-08-373	0.752941	
22327	12.8	0.9	17	1	US-08-373	0.752941	
22328	12.8	0.9	17	1	US-08-758	0.752941	
22329	12.8	0.9	17	1	US-08-758	0.752941	
22330	12.8	0.9	17	1	US-08-435	0.752941	
22331	12.8	0.9	17	1	US-08-435	0.752941	
c22332	12.8	0.9	17	2	US-08-292	0.752941	
c22333	12.8	0.9	17	2	US-08-292	0.752941	
22334	12.8	0.9	17	2	US-08-765	0.752941	
22335	12.8	0.9	17	3	US-08-985	0.752941	
c22336	12.8	0.9	17	3	US-09-071	0.752941	
c22337	12.8	0.9	17	3	US-09-071	0.752941	
22338	12.8	0.9	17	3	US-09-416	0.752941	
c22339	12.8	0.9	17	4	US-08-584	0.752941	
22340	12.8	0.9	17	4	US-08-584	0.752941	
22341	12.8	0.9	17	4	US-08-679	0.752941	
22342	12.8	0.9	17	4	US-08-679	0.752941	
22343	12.8	0.9	17	4	US-09-474	0.752941	
c22344	12.8	0.9	17	4	US-09-371	0.752941	
22345	12.8	0.9	17	4	US-09-371	0.752941	
22346	12.8	0.9	17	4	US-09-371	0.752941	
c22347	12.8	0.9	17	4	US-09-371	0.752941	

c1176	15.8	1.2	21	4	US-09-422	0.752381
c46457	12	0.9	16	2	US-08-232	0.75
46458	12	0.9	16	4	US-08-882	0.75
5649	14.2	1	19	3	US-08-246	0.747368
12659	13.4	1	18	2	US-08-585	0.744444
c12660	13.4	1	18	2	US-09-213	0.744444
c12661	13.4	1	18	3	US-09-205	0.744444
c12662	13.4	1	18	3	US-09-205	0.744444
12663	13.4	1	18	3	US-09-038	0.744444
12664	13.4	1	18	3	US-09-632	0.744444
c3216	14.8	1.1	20	1	US-08-623	0.74
c3217	14.8	1.1	20	3	US-09-286	0.74
3218	14.8	1.1	20	4	US-09-742	0.74
c3219	14.8	1.1	20	4	US-09-340	0.74
c3220	14.8	1.1	20	4	US-09-634	0.74
c3221	14.8	1.1	20	4	US-09-640	0.74
c55156	11.8	0.9	16	1	US-07-988	0.7375
55157	11.8	0.9	16	1	US-08-233	0.7375
55158	11.8	0.9	16	1	US-08-291	0.7375
55159	11.8	0.9	16	1	US-08-291	0.7375
c55160	11.8	0.9	16	1	US-08-258	0.7375
55161	11.8	0.9	16	1	US-08-241	0.7375
c55162	11.8	0.9	16	2	US-08-465	0.7375
c55163	11.8	0.9	16	2	US-08-076	0.7375
c55164	11.8	0.9	16	2	US-08-527	0.7375
55165	11.8	0.9	16	2	US-08-527	0.7375
c55166	11.8	0.9	16	2	US-08-292	0.7375
c55167	11.8	0.9	16	2	US-08-438	0.7375
55168	11.8	0.9	16	2	US-08-282	0.7375
55169	11.8	0.9	16	3	US-08-137	0.7375
c55170	11.8	0.9	16	3	US-08-817	0.7375
c55171	11.8	0.9	16	3	US-09-080	0.7375
c55172	11.8	0.9	16	3	US-09-071	0.7375
c55173	11.8	0.9	16	3	US-09-266	0.7375
c55174	11.8	0.9	16	4	US-08-479	0.7375
55175	11.8	0.9	16	4	US-08-679	0.7375
c55176	11.8	0.9	16	4	US-08-475	0.7375
c55177	11.8	0.9	16	4	US-09-724	0.7375
55178	11.8	0.9	16	4	US-08-535	0.7375
55179	11.8	0.9	16	4	US-09-916	0.7375
c55180	11.8	0.9	16	4	US-09-944	0.7375
c55181	11.8	0.9	16	4	US-08-754	0.7375
55182	11.8	0.9	16	4	US-09-060	0.7375
55183	11.8	0.9	16	4	US-09-402	0.7375
55184	11.8	0.9	16	4	US-09-371	0.7375
55185	11.8	0.9	16	4	US-09-371	0.7375
c55186	11.8	0.9	16	5	PCT-US96	0.7375
6808	14	1	19	3	US-08-679	0.736842
6809	14	1	19	5	PCT-US91	0.736842
c 182	17.6	1.3	24	2	US-08-249	0.733333
c 183	17.6	1.3	24	2	US-08-788	0.733333
c 184	17.6	1.3	24	3	US-08-788	0.733333
c1729	15.4	1.1	21	2	US-08-680	0.733333
c1730	15.4	1.1	21	3	US-08-804	0.733333
c1731	15.4	1.1	21	3	US-08-720	0.733333
15425	13.2	1	18	1	US-07-759	0.733333
c15426	13.2	1	18	1	US-07-759	0.733333
15427	13.2	1	18	3	US-09-339	0.733333
c15428	13.2	1	18	3	US-09-339	0.733333
c15429	13.2	1	18	3	US-09-073	0.733333

c15430	13.2	1	18	3	US-09-339	0.733333
15431	13.2	1	18	3	US-09-199	0.733333
15432	13.2	1	18	3	US-08-795	0.733333
15433	13.2	1	18	3	US-09-487	0.733333
15434	13.2	1	18	3	US-09-338	0.733333
15435	13.2	1	18	4	US-09-218	0.733333
15436	13.2	1	18	4	US-08-584	0.733333
15437	13.2	1	18	4	US-08-584	0.733333
15438	13.2	1	18	4	US-08-584	0.733333
15439	13.2	1	18	4	US-09-355	0.733333
15440	13.2	1	18	4	US-09-167	0.733333
15441	13.2	1	18	4	US-08-275	0.733333
c15442	13.2	1	18	4	US-09-422	0.733333
15443	13.2	1	18	4	US-09-371	0.733333
15444	13.2	1	18	4	US-09-371	0.733333
15445	13.2	1	18	4	US-09-371	0.733333
c32326	12.4	0.9	17	1	US-08-373	0.729412
32327	12.4	0.9	17	1	US-08-373	0.729412
32328	12.4	0.9	17	1	US-08-373	0.729412
c32329	12.4	0.9	17	1	US-08-261	0.729412
c32330	12.4	0.9	17	1	US-08-435	0.729412
32331	12.4	0.9	17	1	US-08-435	0.729412
32332	12.4	0.9	17	1	US-08-435	0.729412
32333	12.4	0.9	17	2	US-08-485	0.729412
32334	12.4	0.9	17	3	US-08-985	0.729412
32335	12.4	0.9	17	3	US-08-985	0.729412
32336	12.4	0.9	17	3	US-08-998	0.729412
32337	12.4	0.9	17	3	US-09-017	0.729412
32338	12.4	0.9	17	4	US-08-682	0.729412
32339	12.4	0.9	17	4	US-08-584	0.729412
32340	12.4	0.9	17	4	US-08-584	0.729412
32341	12.4	0.9	17	4	US-08-584	0.729412
32342	12.4	0.9	17	4	US-08-584	0.729412
32343	12.4	0.9	17	4	US-08-584	0.729412
c32344	12.4	0.9	17	4	US-08-584	0.729412
c32345	12.4	0.9	17	4	US-08-584	0.729412
c32346	12.4	0.9	17	4	US-08-679	0.729412
32347	12.4	0.9	17	4	US-09-429	0.729412
32348	12.4	0.9	17	4	US-09-788	0.729412
32349	12.4	0.9	17	4	US-09-300	0.729412
32350	12.4	0.9	17	4	US-09-474	0.729412
32351	12.4	0.9	17	4	US-09-474	0.729412
32352	12.4	0.9	17	4	US-09-474	0.729412
c32353	12.4	0.9	17	4	US-09-474	0.729412
32354	12.4	0.9	17	4	US-09-371	0.729412
32355	12.4	0.9	17	4	US-09-371	0.729412
32356	12.4	0.9	17	4	US-09-371	0.729412
32357	12.4	0.9	17	4	US-09-371	0.729412
32358	12.4	0.9	17	4	US-09-371	0.729412
c32359	12.4	0.9	17	4	US-09-371	0.729412
c32360	12.4	0.9	17	4	US-09-371	0.729412
32361	12.4	0.9	17	4	US-09-371	0.729412
32362	12.4	0.9	17	4	US-09-371	0.729412
32363	12.4	0.9	17	4	US-09-371	0.729412
32364	12.4	0.9	17	4	US-09-371	0.729412
c32365	12.4	0.9	17	5	PCT-US95	0.729412
c8285	13.8	1	19	1	US-07-741	0.726316
c8286	13.8	1	19	1	US-08-289	0.726316
c8287	13.8	1	19	1	US-08-452	0.726316
c8288	13.8	1	19	1	US-08-452	0.726316

c8289	13.8	1	19	2	US-08-468	0.726316	
c8290	13.8	1	19	2	US-08-471	0.726316	
c8291	13.8	1	19	2	US-08-465	0.726316	
c8292	13.8	1	19	3	US-09-035	0.726316	
c8293	13.8	1	19	3	US-08-450	0.726316	
c8294	13.8	1	19	3	US-09-016	0.726316	
c8295	13.8	1	19	3	US-09-144	0.726316	
c8296	13.8	1	19	3	US-09-130	0.726316	
c8297	13.8	1	19	3	US-09-477	0.726316	
c8298	13.8	1	19	3	US-09-315	0.726316	
c8299	13.8	1	19	4	US-09-453	0.726316	
c8300	13.8	1	19	4	US-09-135	0.726316	
c8301	13.8	1	19	4	US-08-449	0.726316	
c8302	13.8	1	19	4	US-08-802	0.726316	
c8303	13.8	1	19	4	US-09-375	0.726316	
c8304	13.8	1	19	4	US-09-375	0.726316	
c8305	13.8	1	19	4	US-09-389	0.726316	
c2171	15.2	1.1	21	1	US-08-276	0.72381	
c2172	15.2	1.1	21	1	US-08-162	0.72381	
c2173	15.2	1.1	21	1	US-08-899	0.72381	
c2174	15.2	1.1	21	1	US-08-899	0.72381	
c2175	15.2	1.1	21	4	US-07-974	0.72381	
c2176	15.2	1.1	21	4	US-08-635	0.72381	
c2177	15.2	1.1	21	5	PCT-US93	0.72381	
c2178	15.2	1.1	21	5	PCT-US95	0.72381	
c18774	13	1	18	1	US-08-469	0.722222	
c18775	13	1	18	2	US-08-267	0.722222	
c18776	13	1	18	2	US-08-450	0.722222	
18777	13	1	18	2	US-09-205	0.722222	
c18778	13	1	18	3	US-07-982	0.722222	
c18779	13	1	18	4	US-09-422	0.722222	
18780	13	1	18	5	PCT-US91	0.722222	
18781	13	1	18	5	PCT-US91	0.722222	
c18782	13	1	18	5	PCT-US95	0.722222	
c4673	14.4	1.1	20	1	US-08-376	0.72	
4674	14.4	1.1	20	1	US-08-634	0.72	
4675	14.4	1.1	20	2	US-08-450	0.72	
4676	14.4	1.1	20	3	US-07-982	0.72	
c4677	14.4	1.1	20	3	US-09-280	0.72	
4678	14.4	1.1	20	3	US-09-150	0.72	
c4679	14.4	1.1	20	3	US-09-228	0.72	
4680	14.4	1.1	20	4	US-09-517	0.72	
c38602	12.2	0.9	17	1	US-08-281	0.717647	
c38603	12.2	0.9	17	1	US-08-390	0.717647	
c38604	12.2	0.9	17	1	US-08-390	0.717647	
38605	12.2	0.9	17	1	US-08-390	0.717647	
c38606	12.2	0.9	17	1	US-08-435	0.717647	
c38607	12.2	0.9	17	1	US-08-435	0.717647	
38608	12.2	0.9	17	1	US-08-435	0.717647	
38609	12.2	0.9	17	1	US-08-466	0.717647	
38610	12.2	0.9	17	1	US-08-444	0.717647	
c38611	12.2	0.9	17	2	US-08-710	0.717647	
c38612	12.2	0.9	17	2	US-08-292	0.717647	
38613	12.2	0.9	17	2	US-08-292	0.717647	
c38614	12.2	0.9	17	2	US-08-292	0.717647	
c38615	12.2	0.9	17	2	US-08-292	0.717647	
c38616	12.2	0.9	17	2	US-08-292	0.717647	
c38617	12.2	0.9	17	2	US-08-292	0.717647	
c38618	12.2	0.9	17	2	US-08-292	0.717647	
c38619	12.2	0.9	17	2	US-08-292	0.717647	

c38620	12.2	0.9	17	2	US-08-485	0.717647	
38621	12.2	0.9	17	2	US-08-464	0.717647	
38622	12.2	0.9	17	2	US-08-461	0.717647	
38623	12.2	0.9	17	2	US-08-485	0.717647	
38624	12.2	0.9	17	2	US-08-474	0.717647	
c38625	12.2	0.9	17	2	US-08-798	0.717647	
38626	12.2	0.9	17	3	US-08-484	0.717647	
c38627	12.2	0.9	17	3	US-08-181	0.717647	
c38628	12.2	0.9	17	3	US-08-985	0.717647	
c38629	12.2	0.9	17	3	US-08-985	0.717647	
c38630	12.2	0.9	17	3	US-08-985	0.717647	
38631	12.2	0.9	17	3	US-08-985	0.717647	
38632	12.2	0.9	17	3	US-08-656	0.717647	
38633	12.2	0.9	17	3	US-08-998	0.717647	
c38634	12.2	0.9	17	3	US-09-071	0.717647	
38635	12.2	0.9	17	3	US-09-071	0.717647	
c38636	12.2	0.9	17	3	US-09-071	0.717647	
c38637	12.2	0.9	17	3	US-09-071	0.717647	
c38638	12.2	0.9	17	3	US-09-071	0.717647	
c38639	12.2	0.9	17	3	US-09-071	0.717647	
c38640	12.2	0.9	17	3	US-09-071	0.717647	
c38641	12.2	0.9	17	3	US-09-071	0.717647	
c38642	12.2	0.9	17	3	US-08-961	0.717647	
c38643	12.2	0.9	17	3	US-08-352	0.717647	
38644	12.2	0.9	17	3	US-08-983	0.717647	
38645	12.2	0.9	17	3	US-09-091	0.717647	
c38646	12.2	0.9	17	3	US-09-021	0.717647	
38647	12.2	0.9	17	3	US-09-021	0.717647	
c38648	12.2	0.9	17	3	US-09-338	0.717647	
c38649	12.2	0.9	17	4	US-09-218	0.717647	
38650	12.2	0.9	17	4	US-08-584	0.717647	
c38651	12.2	0.9	17	4	US-08-584	0.717647	
38652	12.2	0.9	17	4	US-08-584	0.717647	
c38653	12.2	0.9	17	4	US-08-584	0.717647	
38654	12.2	0.9	17	4	US-08-584	0.717647	
38655	12.2	0.9	17	4	US-08-584	0.717647	
38656	12.2	0.9	17	4	US-08-584	0.717647	
38657	12.2	0.9	17	4	US-08-584	0.717647	
38658	12.2	0.9	17	4	US-08-584	0.717647	
38659	12.2	0.9	17	4	US-08-584	0.717647	
c38660	12.2	0.9	17	4	US-08-584	0.717647	
c38661	12.2	0.9	17	4	US-08-584	0.717647	
c38662	12.2	0.9	17	4	US-08-584	0.717647	
c38663	12.2	0.9	17	4	US-08-584	0.717647	
38664	12.2	0.9	17	4	US-08-584	0.717647	
38665	12.2	0.9	17	4	US-08-584	0.717647	
38666	12.2	0.9	17	4	US-08-679	0.717647	
38667	12.2	0.9	17	4	US-08-679	0.717647	
38668	12.2	0.9	17	4	US-08-679	0.717647	
38669	12.2	0.9	17	4	US-08-679	0.717647	
c38670	12.2	0.9	17	4	US-09-474	0.717647	
38671	12.2	0.9	17	4	US-09-474	0.717647	
38672	12.2	0.9	17	4	US-09-474	0.717647	
38673	12.2	0.9	17	4	US-09-474	0.717647	
38674	12.2	0.9	17	4	US-09-474	0.717647	
38675	12.2	0.9	17	4	US-09-474	0.717647	
c38676	12.2	0.9	17	4	US-09-265	0.717647	
38677	12.2	0.9	17	4	US-09-371	0.717647	
c38678	12.2	0.9	17	4	US-09-371	0.717647	
38679	12.2	0.9	17	4	US-09-371	0.717647	

c38680	12.2	0.9	17	4	US-09-371	0.717647
38681	12.2	0.9	17	4	US-09-371	0.717647
38682	12.2	0.9	17	4	US-09-371	0.717647
38683	12.2	0.9	17	4	US-09-371	0.717647
38684	12.2	0.9	17	4	US-09-371	0.717647
38685	12.2	0.9	17	4	US-09-371	0.717647
c38686	12.2	0.9	17	4	US-09-371	0.717647
c38687	12.2	0.9	17	4	US-09-371	0.717647
c38688	12.2	0.9	17	4	US-09-371	0.717647
c38689	12.2	0.9	17	4	US-09-371	0.717647
38690	12.2	0.9	17	4	US-09-371	0.717647
38691	12.2	0.9	17	4	US-09-371	0.717647
38692	12.2	0.9	17	4	US-09-371	0.717647
c38693	12.2	0.9	17	4	US-09-371	0.717647
c38694	12.2	0.9	17	4	US-09-371	0.717647
38695	12.2	0.9	17	4	US-09-371	0.717647
c38696	12.2	0.9	17	4	US-09-371	0.717647
c38697	12.2	0.9	17	4	US-09-371	0.717647
c38698	12.2	0.9	17	4	US-09-371	0.717647
38699	12.2	0.9	17	4	US-09-371	0.717647
c38700	12.2	0.9	17	4	US-09-371	0.717647
c38701	12.2	0.9	17	4	US-09-371	0.717647
c38702	12.2	0.9	17	4	US-09-371	0.717647
38703	12.2	0.9	17	5	PCT-US95	0.717647
38704	12.2	0.9	17	5	PCT-US96	0.717647
22348	12.8	0.9	18	1	US-08-219	0.711111
c22349	12.8	0.9	18	1	US-08-219	0.711111
c22350	12.8	0.9	18	1	US-08-363	0.711111
22351	12.8	0.9	18	1	US-08-451	0.711111
c22352	12.8	0.9	18	1	US-08-451	0.711111
22353	12.8	0.9	18	1	US-08-800	0.711111
22354	12.8	0.9	18	1	US-08-800	0.711111
22355	12.8	0.9	18	1	US-08-758	0.711111
c22356	12.8	0.9	18	2	US-08-411	0.711111
22357	12.8	0.9	18	2	US-08-880	0.711111
22358	12.8	0.9	18	2	US-08-990	0.711111
22359	12.8	0.9	18	2	US-08-990	0.711111
22360	12.8	0.9	18	2	US-09-205	0.711111
22361	12.8	0.9	18	3	US-09-189	0.711111
22362	12.8	0.9	18	3	US-08-413	0.711111
22363	12.8	0.9	18	3	US-09-474	0.711111
22364	12.8	0.9	18	4	US-08-584	0.711111
22365	12.8	0.9	18	4	US-08-584	0.711111
c22366	12.8	0.9	18	4	US-08-679	0.711111
22367	12.8	0.9	18	4	US-08-679	0.711111
22368	12.8	0.9	18	4	US-08-614	0.711111
22369	12.8	0.9	18	4	US-09-920	0.711111
22370	12.8	0.9	18	4	US-09-077	0.711111
22371	12.8	0.9	18	4	US-09-422	0.711111
22372	12.8	0.9	18	4	US-09-422	0.711111
22373	12.8	0.9	18	4	US-09-742	0.711111
22374	12.8	0.9	18	4	US-09-371	0.711111
22375	12.8	0.9	18	4	US-09-371	0.711111
22376	12.8	0.9	18	5	PCT-US93	0.711111
22377	12.8	0.9	18	5	PCT-US95	0.711111
c22378	12.8	0.9	18	6	5182195-7	0.711111
5650	14.2	1	20	1	US-08-033	0.71
5651	14.2	1	20	2	US-08-117	0.71
c5652	14.2	1	20	2	US-09-048	0.71
c5653	14.2	1	20	2	US-08-991	0.71

5654	14.2	1	20	2	US-08-715	0.71	
c5655	14.2	1	20	3	US-08-755	0.71	
5656	14.2	1	20	3	US-09-287	0.71	
c5657	14.2	1	20	3	US-09-288	0.71	
c5658	14.2	1	20	3	US-09-288	0.71	
c5659	14.2	1	20	3	US-09-488	0.71	
5660	14.2	1	20	3	US-09-130	0.71	
c5661	14.2	1	20	4	US-09-270	0.71	
c5662	14.2	1	20	4	US-09-851	0.71	
c5663	14.2	1	20	4	US-09-920	0.71	
c5664	14.2	1	20	4	US-09-527	0.71	
c5665	14.2	1	20	4	US-09-422	0.71	
c5666	14.2	1	20	4	US-09-422	0.71	
c5667	14.2	1	20	4	US-09-230	0.71	
5668	14.2	1	20	4	US-09-843	0.71	
46459	12	0.9	17	1	US-08-758	0.705882	
46460	12	0.9	17	3	US-09-328	0.705882	
46461	12	0.9	17	4	US-08-984	0.705882	
c46462	12	0.9	17	4	US-08-584	0.705882	
c46463	12	0.9	17	4	US-08-584	0.705882	
c46464	12	0.9	17	4	US-09-537	0.705882	
46465	12	0.9	17	4	US-08-937	0.705882	
46466	12	0.9	17	4	US-09-777	0.705882	
c46467	12	0.9	17	4	US-09-371	0.705882	
c46468	12	0.9	17	4	US-09-371	0.705882	
46469	12	0.9	17	5	PCT-US91	0.705882	
12665	13.4	1	19	1	US-07-834	0.705263	
12666	13.4	1	19	1	US-08-053	0.705263	
12667	13.4	1	19	1	US-08-645	0.705263	
12668	13.4	1	19	1	US-07-853	0.705263	
12669	13.4	1	19	1	US-08-096	0.705263	
12670	13.4	1	19	2	US-08-800	0.705263	
12671	13.4	1	19	2	US-08-308	0.705263	
12672	13.4	1	19	3	US-09-042	0.705263	
12673	13.4	1	19	4	US-08-758	0.705263	
12674	13.4	1	19	4	US-09-517	0.705263	
12675	13.4	1	19	5	PCT-US92	0.705263	
12676	13.4	1	19	5	PCT-US92	0.705263	
3222	14.8	1.1	21	4	US-09-099	0.704762	
c 772	16.2	1.2	23	4	US-08-709	0.704348	
6810	14	1	20	2	US-08-921	0.7	
6811	14	1	20	3	US-08-816	0.7	
6812	14	1	20	3	US-08-816	0.7	
6813	14	1	20	3	US-09-405	0.7	
c6814	14	1	20	3	US-09-309	0.7	
c6815	14	1	20	4	US-09-422	0.7	
6816	14	1	20	4	US-09-705	0.7	
6817	14	1	20	5	PCT-US95	0.7	